

APPENDIX A
Claims as Pending
8484-092-999

1. A process for the production of a fibrous protein, comprising:
 - (a) expressing a precursor fibrous protein in a plant cell; and
 - (b) incubating the precursor fibrous protein with a protein processing it.
2. The process of Claim 1, wherein said processing protein is expressed in a plant cell.
3. The process of Claim 2, wherein said precursor fibrous protein and the protein processing said precursor protein are expressed in different plant cells.
4. The process of Claim 2, wherein said precursor fibrous protein and the protein processing said precursor fibrous protein are expressed in the same plant cell.
5. The process of Claim 1, 2, 3, or 4, wherein said plant cell is available as part of a plant.
6. The process of Claim 1, 2, 3 or 4, wherein said precursor fibrous protein is a procollagen or a derivative and fragment thereof.
7. The process of Claim 1, 2, 3, or 4, wherein said precursor fibrous protein is a tropoelastin or a derivative and fragment thereof.
8. The process of Claim 1, 2, 3, or 4, wherein said fibrous protein is a collagen or a derivative and fragment thereof.
9. The process of Claim 1, 2, 3, or 4, wherein said fibrous protein is an elastin or a derivative and fragment thereof.

10. The process of Claim 1, 2, 3, or 4, wherein the protein processing precursor fibrous protein is a lysine oxidase.

11. A plant cell expressing a precursor fibrous protein and a protein processing said precursor fibrous protein.

12. The plant cell of Claim 11, wherein said plant cell is part of a multiplication material.

13. The plant cell of Claim 11, wherein said plant cell is present as part of a plant.

14. A plant cell expressing a protein processing precursor fibrous protein.

15. The plant cell of Claim 14, wherein said plant cell is available as part of a multiplication material.

16. The plant cell of Claim 14, wherein said plant cell is available as part of a plant.

17. A method for the production of a fibrous protein, comprising expressing a precursor fibrous protein and a protein processing said precursor fibrous protein in a plant cell.

18. A fibrous protein produced by the process of Claim 1, 2, 3, or 4.

19. The fibrous protein of Claim 18, wherein said fibrous protein is a collagen or a derivative and fragment thereof.

20. The fibrous protein of Claim 18, wherein said fibrous protein is an elastin or a derivative and fragment thereof.